



JUN - 3 2003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certificate

JUN 0 2 2003

of Correction

Inventor(s): Cobbley et al.

Patent No.: 6,533,159 B1

Issued: March 18, 2003

For: APPARATUS FOR ATTACHING
SOLDER BALLS TO BGA PACKAGE
UTILIZING A TOOL TO PICK AND DIP
THE SOLDER BALL IN FLUX

Attorney Docket No.: 2269-3636.1US
(97-1349.1)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 27, 2003
Date

Signature

Deidra J. Pfeil
Name (Type/Print)

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR APPLICANTS' MISTAKES (37 C.F.R. § 1.323) AND
PATENT OFFICE MISTAKES (37 C.F.R. § 1.322)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is noted that a combination of Applicant and Patent Office errors appear in this patent of a typographical nature or character and correction thereof does not involve such changes in the patent as would constitute new matter or would require reexamination. A certificate of correction in the form attached hereto is requested.

Please send the Certificate to:

Name: James R. Duzan
Address: TraskBritt
P.O. Box 2550
Salt Lake City, Utah 84110

The fee of \$100.00 as required by 37 C.F.R. § 1.20(a) is enclosed.

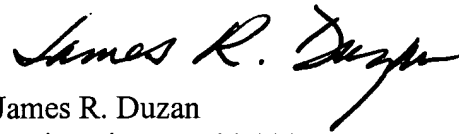
05/30/2003 CNGUYEN 00000139 6533159

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Attached hereto in duplicate is Form PTO/SB/44 with at least one copy being suitable for printing.

Respectfully submitted,



James R. Duzan
Registration No. 28,393
Attorney for Applicant(s)
TRASKBRITT
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: May 27, 2003
JRD/djp

Enclosures: PTO/SB/44 in duplicate
Check No. 4392 in the amount of \$100.00

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UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO : 6,533,159 B1

Page 1 of 1

DATED : March 18, 2003

INVENTOR(S) : Chad A. Cobbley; Michael B. Ball; and Marjorie L. Waddel

It is certified that errors appear in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the page 2:

In item (56) References Cited,

after "5,445,313 A" delete "*"

In item (56) References Cited,

after "5,626,277 A" delete "*"

In the specification:

COLUMN 7, LINE 12,

change "62" to --63--

In the claims:

CLAIM 2, COLUMN 8, LINE 8,

after "said" and before "ball" insert --plurality of--

CLAIM 14, COLUMN 10, LINE 26,

insert a semicolon after "passageway"

MAILING ADDRESS OF SENDER:

PATENT NO. 6,533,159 B1

James R. Duzan

230 South 500 East, Suite 300

Salt Lake City, Utah 84102 USA

No. of additional copies

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